ABSTRACT OF THE DISCLOSURE

An integrated dual wavelength quantum-well infrared photodetector has two absorption peaks of photo response. The structure has a standard quantum well to yield a peak photo response at one wavelength and a sub-well to yield a peak photo response at a second wavelength. The standard quantum well and the sub-well is separated by a barrier. The barrier-well-subwell-well barrier layers are structured periodically. Additional quantum wells and sub-wells may be added to yield a multi-wavelength infrared photodetector.

Certificate of Mailing

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